

# Abstracts

## A Non-Linear Design and Optimization Procedure for GaAs MESFET Oscillators

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*T.J. Brazil and J.O. Scanlan. "A Non-Linear Design and Optimization Procedure for GaAs MESFET Oscillators." 1987 MTT-S International Microwave Symposium Digest 87.2 (1987 Vol. II [MWSYM]): 907-910.*

An approximate but successful non-linear design/ optimisation procedure is described for a GaAs MESFET oscillator, based on initial availability of an appropriate device model and a large-signal simulation analysis tool. A number of variations of the design procedure are compared, and each is checked against a full self-consistent solution for the optimized oscillator.

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